

10004331.041502

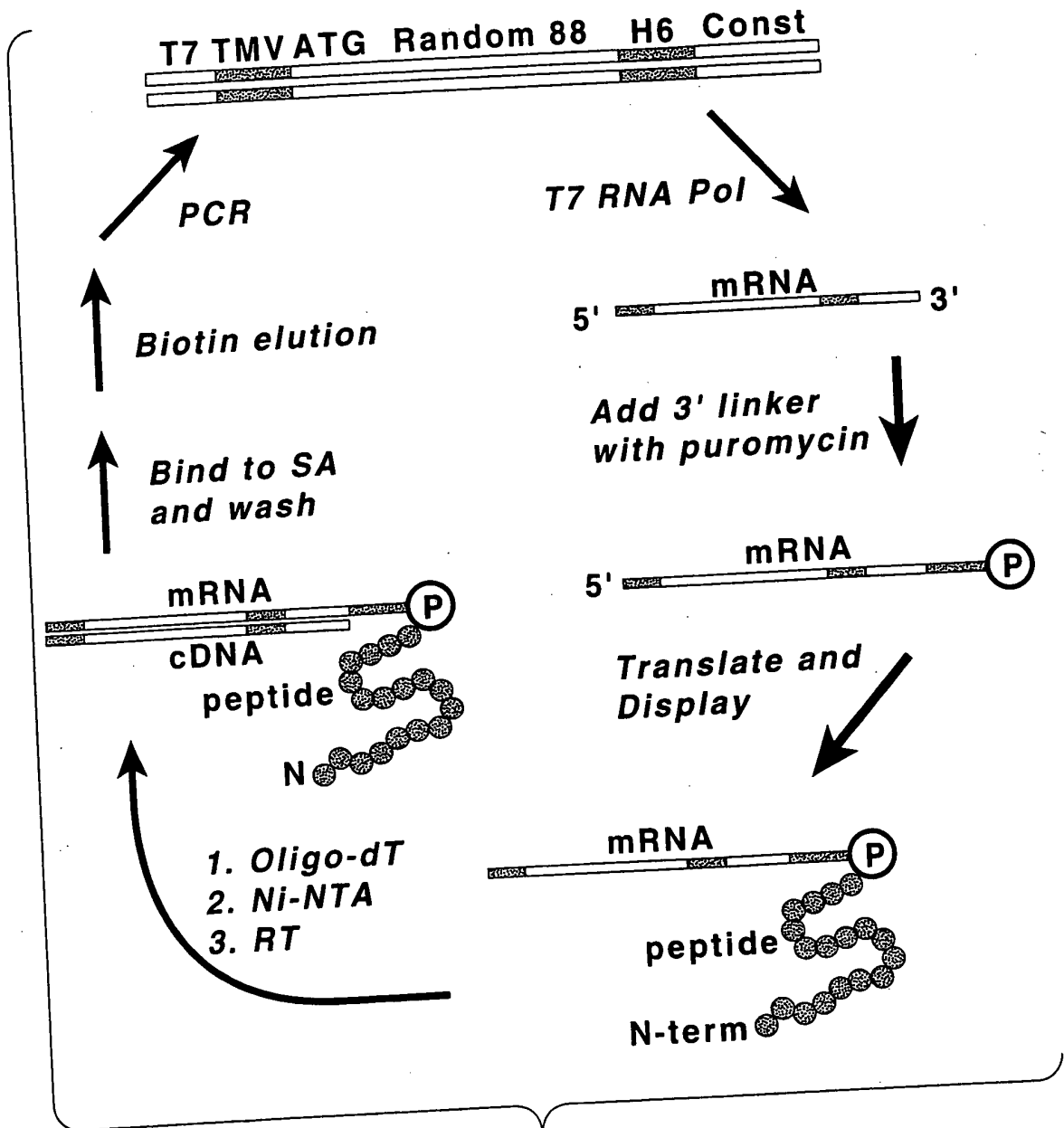


Fig. 1A

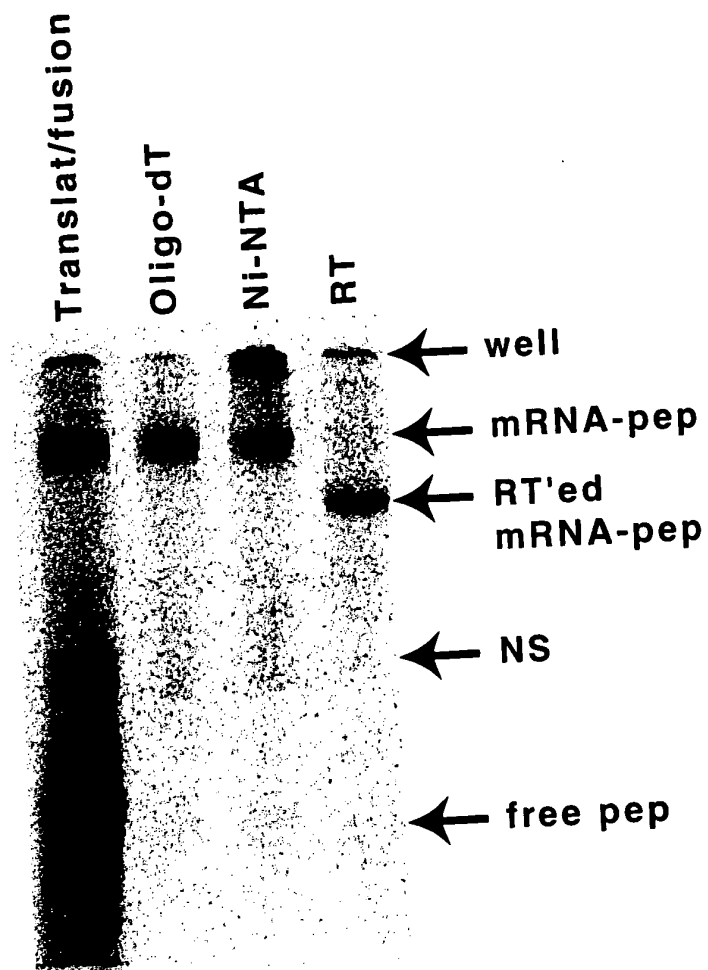


Fig. 1B

205T40" FEB4000T

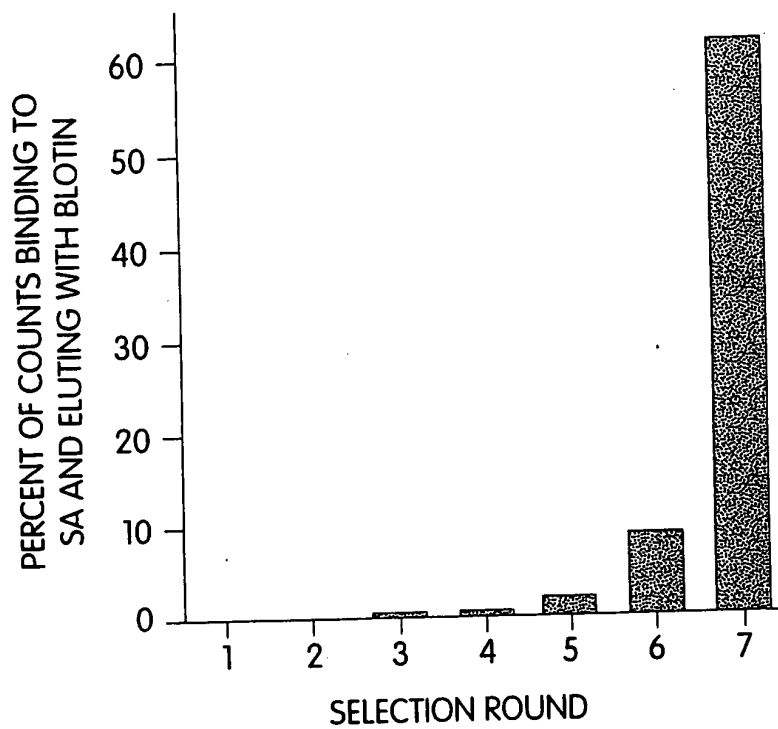


Fig. 2A

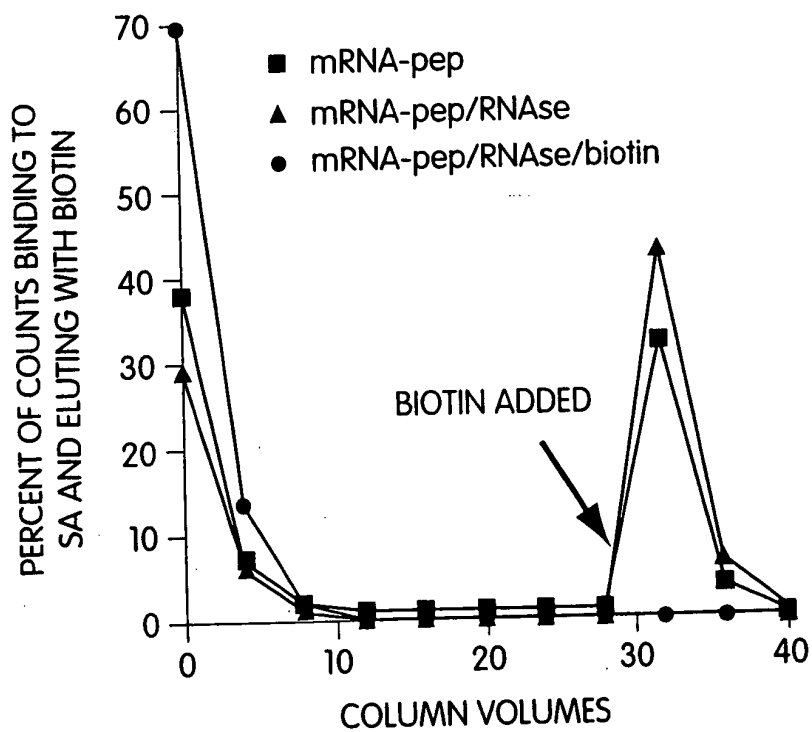


Fig. 2B

name #	SEQ ID NO:
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SB2 2	<u>MDEKTHCFHPGDHLVRLVEELQALAEGLQRCGRQPHRLPRRRPHHLQLLLDEAHFQAGPLRERAHQVDGRLLQLQHHPQGDRLQLQCPQDHPLELVWRLPPS</u>
SB3 4	<u>MTRRPTASSSSCVRHLLLRQGEHGHQALEDRDKARHVRVVEGVDEVLGGDLRLARARHEALHPQAGLVHLPLHGCDLGGHLRLVLEAHFQGDRLGLAVHHH</u>
SB4 1	<u>MDEKTHWISWIRGEPLHHPQAGRLPLDRRRARHRRILGAEPGGVDHGLRLLELLDDHRLPLVPDHPHQRCPLQRCGLDQVVPVLRRLRHAHVLGLAAATIT</u>
SB5 3	<u>MDEKTHWNVVYHPQGDLLVRGHGHDVEALHDQGLHQLDLLVGPPEVVVRALRGEVLGGRLRLVPLDHPQCEALDQARQPQHLLLELHHRALPPALVMRLPPS</u>
SB6 1	<u>MDEKTHWLNFEELARLDGLREGEDHPLVLRHPQGDGLLDQPLGRHRAIDGEVREGDRPLDQCGEEDLGALVDDDEGLVHGVHVDPLVCGGCHHH</u>
SB7 1	<u>MDEKTHWFGTLNSFPTHWMSAVNGKIDCSFNMNLSLHNLSSGHPDGLDDQLHPQGDALVGRDDGVVQALRLEQGHQHRRLAQRRADHRHQIVWRLPPS</u>
SB8 1	<u>MDEKTHCTIELNFSFTHWKLHHPQGDALDDGVRRPHHPLADEGGGLDQGLCHRRGVVAERLARRDPEVLEGLVERHRRGLVPRLRHGGERHAEPLVMRLPPS</u>
SB9 1	<u>MDEKTHCNTGLYDGAADCFNELNKDVAPLVEGRHDLVEGLLLEHPQGDPLVAHRQLVHHPLGRGERHRRALVPQEHQPHRLQPVVDLGRRLVMRLPPS</u>
SB10 1	<u>MDEKTHWHERAQELVGGLLLHHPQRLLEPRGPRPLRGLVHERGHQPPLAGRVEEADGGLLRDGGGELEPLVREGEDHLEPLDDELDAQPRGLVMRLPHHH</u>
SB11 1	<u>MDEKTHWHERVHHLADGLEQHPQGORRPLVERHRQVPRGLVRELQHEGLPLEHPAGVHVIRLHQGDDRDVDGLVDGHRDVRGLEREVGDGPHRLVMRLPPS</u>
SB12 4	<u>MDKDLLLEELERLVRHPQGGLLPLRGVGHDAERLGAEVDDLRCGLLDEPQRAVAGLHHVPHRVGRLVHEVRELDEGLLDQRDDLRQRLVMRLPPS</u>
SB13 2	<u>MEREDPLDEQLRELREALVDHPQGGAAALHRRDGEHVPLRRVQHRLQPGLOHLEPQPLGLGELQARLQPLAGEHEGDGAGLQRPVGHQGRRLVMRLPPS</u>
SB14 1	<u>MDEKTHRTLVSLSFNWLGQTKACWRLVEGLHHPQGLVREHEVDVPLAEFVQVWGGADGVEQPGGGLLHRAQRVDHPLPDHACQVLRGLVMRLPPS</u>
SB15 1	<u>MDEKTHWLEDLKGVLKDCIKDLMDFTKDCRSRVPQPPPLHHRDGEVPVLLREAGRDLGGLGPRAPRQARPLHGRHDLHEPLVQDHPQGGPLVCGCHHH</u>
SB16 1	<u>MDEKTHWVLQLHPQGDRLGPRHGGDDVRLVGQEGVLEGLDGRPRRRRRLPREDEHRVRLVDQVRDLAERLVEEVDDGGVEALRHLGLPQDEPRSGGCHHH</u>
SB17 2	<u>MDEKTHWVGDLOEPLGPLHGGVGEVPGGLVLRHPQRDRDLVDGVGPHGRALARRPHRVVEGLHLLLRQGERLPPDGRQLGLLGGELDRADPALVMRLPPS</u>
SB18 1	<u>MDEKTHCAVNVNGLTHWCHRVVHLQPLDHPQGDHLRLLEPLGHALVDPLVQGVVEVVRPLQLDVGVRVALVEQVAEVGEGLDHEAGQAHGALVMRLPPS</u>
SB19 1	<u>MDEKTTGWRGGHVVEGLAGELEQLRARLEHPQGORREPLVQEVDEGLVDLHGVAAGLLDPVEKILLTDWFKFKNVSKDCKMTFYLEMVDSGGCHHH</u>
SB20 1	<u>MNEKTHCKLNFKNVIADWLAEFFHGGGGLGRRDGVVQRLVDGVQERVERLDRDPGLGDLRLLELHHRHRLRLGGEHLLRDHPLEPDDHLVVGGLVMRLPPS</u>

Fig. 3

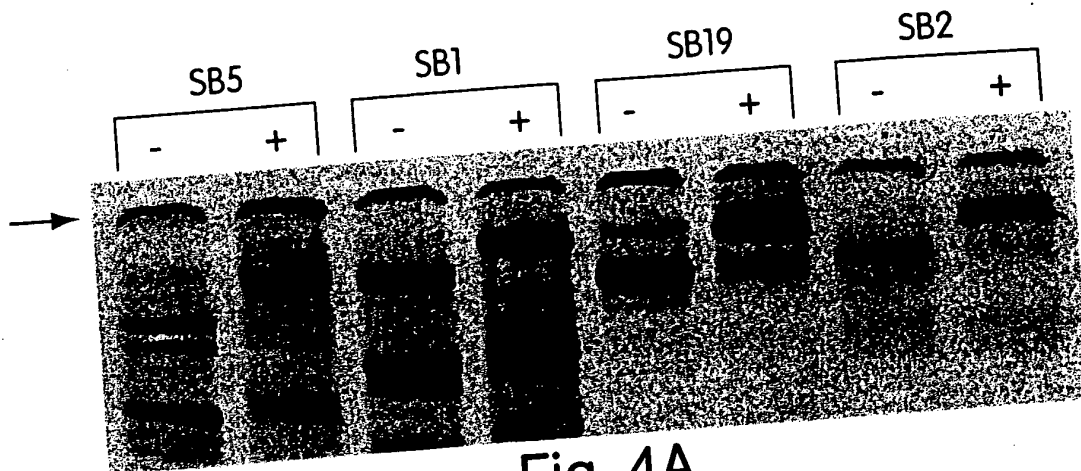


Fig. 4A

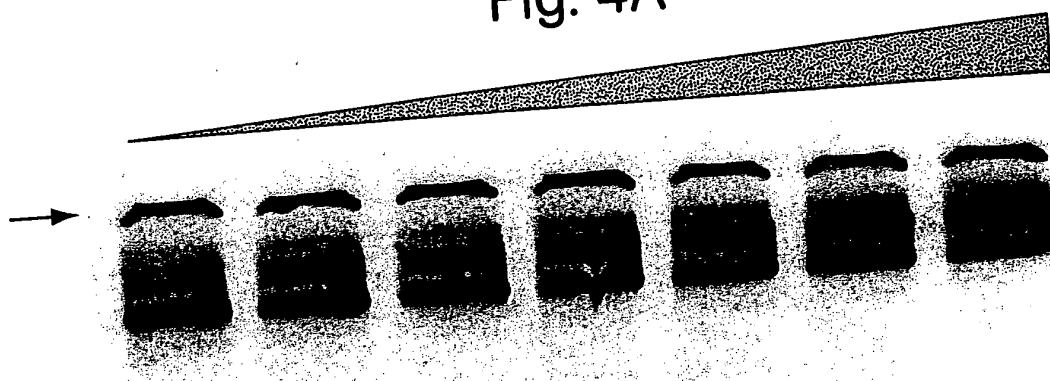


Fig. 4B

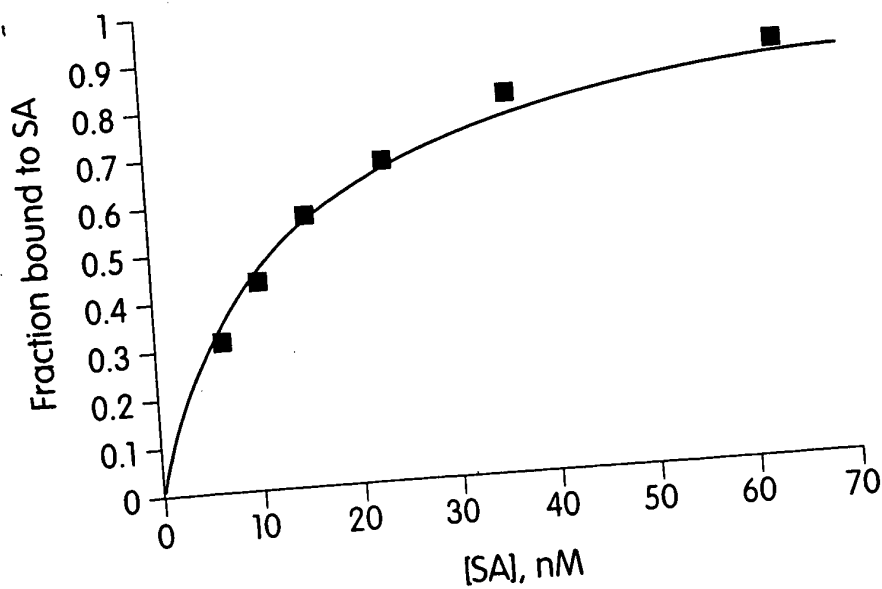


Fig. 4C

205THQ" F8Eh000T

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C1	MDEKTTGWRGGHVVVEGLAGELQLRARLEHPQGPQREPLVQEVVDVDEGLVQDLHGVAAGLLDPVEKLLTDMFKFKNVSKDKMTFFYLEMYDMSGGCKLG	87	22
C2	MDEKTTGWRGGHVVVEGLAGELQLRARLEHPQGPQREPLVQEVVDVDEGLVQDLHGVAAGLLDPVEKLLTDMFKFKNVSKDKMTFFYLEMYDMSGGCKLG	88	23
C3	MDEKTTGWRGGHVVVEGLAGELQLRARLEHPQGPQREPLVQEVVDVDEGLVQDLHGVAAGLLDPVEKLLTDMFKFKNVSKDKMTFFYLEMYDMSGGCKLG	89	24
C4	MDEKTTGWRGGHVVVEGLAGELQLRARLEHPQGPQREPLVQEVVDVDEGLVQDLHGVAAGLLDPVEKLLTDMFKFKNVSKDKMTFFYLEMYDMSGGCKLG	88	25
M1	MDEKTTGWRGGHVVVEGLAGELQLRARLEHPQGPQREPLVQEVVDVDEGLVQDLHGVAAGLLDPVEKLLTDMFKFKNVSKDKMTFFYLEMYDMSGGCKLG	0.065	26
N1	MD	69	27
N2	MD	30	28
N3	M	0.058	29

Fig. 5

Fig. 6A

GCTACGCTGTAGGTATCTCAGTTCGGTGTAGGTGCTCGTCCAAGCTGGCTGTGTGCACGAACCCCGTTAGCCCC
GACCGCTGCGCTTATCCGGTAACTATCGTCTTGAAGTCCAACCCGGTAAAGACACGACTTATCGCCACTGGCAGAGCCAC
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GAAGGACAGTATTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGTCTTTGATCCGGCAAA
CAAACCAACCGCTGGTAGCGGTGGTTTTTTTGTGTTGCAAGCAGCAGATTACGCCGAGAAAAAAGGATCTCAAGAAGATCC
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GTCAGACTAAACTGGCTGACGGAATTTATGCTCTTCCGACCATCAAGCATTTTATCCGTACTCCTGATGATGCATGGTT
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GCTCAGGCGCAATCACGAATGAATAACGGTTTGGTTGATGCGAGTGATTTTGTATGACGAGCGTAATGGCTGGCCTGTTGA
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Fig. 6A (continued)

205THD" TSE4000T

(SEQ ID No.:38)

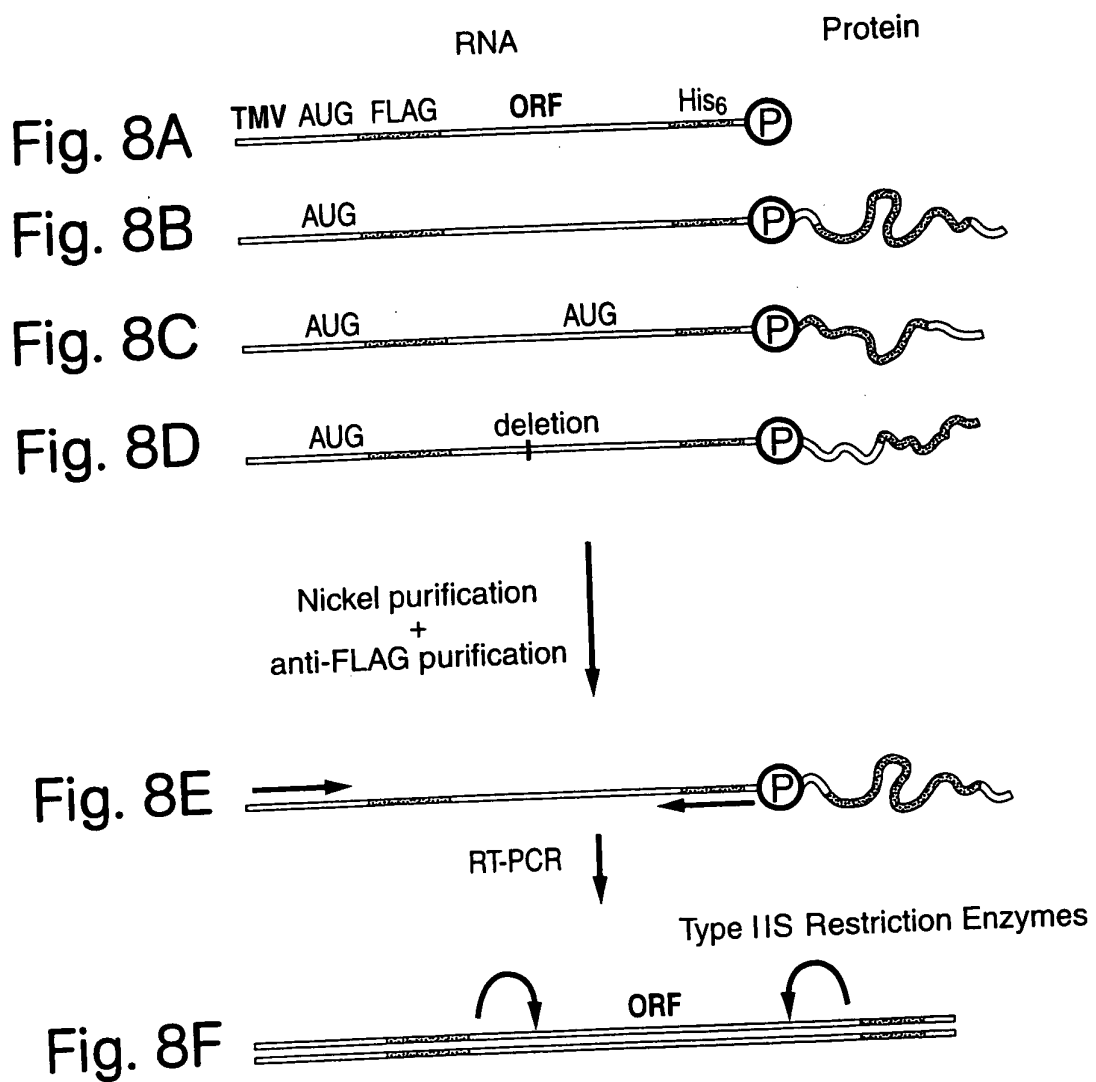
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TMENAOKEIIMPNI PQMSAFWYAVRTAVINAASGRQTVDEALKDAQTNSSGGSGSGMDEKTTGWRGGHVVEGLAGELEQ
LRARLEHHPQGREPGSGHHHHHEFLVPRGMDPCVKCKVAPRNWVKVKNKHLRIYNNMCKTCFNNSIDIGDDTYHGHDD

Fig. 6B

(SEQ ID No.:39)

MDPCVKCKVAPRNWVKVKNKHLRIYNNMCKTCFNNSIDIGDDTYHGHDD

Fig. 6C



[illegible]

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GACCAGACACCCCATCAACAGTATTATTTTCTCCCATGAAGACGGTACGGACTGGCGTGGAGCATCTGGTCGCATTGGG
TCACCAGCAAAATCGCGCTGTTAGCGGGCCCATTAAGTTCTGTCTCGCGCGCTGTCCGTCTGGCTGGCTGGCATAAATATC
TCACTCGCAATCAAAATTCAGCCGATAGCGGAACGGGAAGGCGACTGGAGTGCCATGTCCGGTTTCAACAAACCATGCAA
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CGATCCGGGCTGCGCGTGTGGTGGGATATCTCGGTAGTGGGATACGACGATACCGAAGACAGCTCATGTATATCCCCG
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GGCTGGCGGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGTTATCCACAGATCAGGGGATAACGAGGAAAGAAC
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TGACGAGCATCACAAAATCGACGCTCAAGTCAGAGTGGGCAACCCGACAGGACTATAAGATACAGGCGTTTCCCCC
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ACCCCCGTTACGCCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAAACCCGGTAAGACACGACTTATCGC

Fig. 9A (continued)

CAC TGG CAG CAG CCA CTGG TAA CAG GATTAG CAG AGCGAG GTATGTAG GCGGTGTACAGAGTTCTTGAAGTGGTGGCCT
AACTACGGCTACACTAGAAGGACAGTATTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGAAAAAGAGTTGGTAG
CTCTTGATCCGGCAAAACAAACCCGCTGGTAGCGGTGTTTTTTTGTGTTGCAAGCAGCAGATTACGCGCAGAAAAAAG
GATCTCAAGAAGATCCTTTGATCTTTCTACGGGGTCTGACGCTCAGTGGAAACGAAACTCACGTTAAGGGATTTTGGTC
ATGAACAAATAAAACTGTCTGCTTACATAAACAGTAATAACAAGGGGTGTATAGGCCATATTCAACGGGAAACGCTTTGCT
CTAGGCCGCGATTAAATTCACACATGGATGCTGATTATATGGGTATAAATGGGCTCGCGATAATGTGGGCAATCAGGT
GCGACAATCTATCGATTGTATGGGAAGCCCGATGCGCCAGAGTTGTTTCTGAAACATGGCAAGGTAGCGTTGCCAATGA
TGTTACAGATGAGATGGTCAGACTAAACTGGCTGACGGAATTTATGCCCTCTTCCGACCATCAAGCATTTTATCCGTACTC
CTGATGATGCTGGTTACTCACCACTGCGATCCCCGGGAAAAACAGCATTCAGGTATTAGAAGATAATCCTGATTCAGGT
GAAAAATATTGTTGATGCGCTGGCAGTGTCTCTGCGCCGTTGCAATTCGATTCCTGTTTGTAAATGTCCTTTTAAACAGCGA
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GATTTCTCACTTGATAACCTTATTTTGACGAGGGGAAATTAATAGGTGTGATTTGACGAGTCGGAATCGCAGA
CCGATACCGAGATCTTGCCATCCTATGGAACCTGCCCTCGGTAGTTTCTCCTTCATTACAGAAACGGCTTTTCAAAAT
ATGGTATTGATAATCCTGATATGAATAAATTGCAGTTTCATTGATGCTCGATGATTTTCTAAGAAATTAATTCAATGAG
CGGATACATATTGAAATGATTTAGAAAAATAAACAAATAGGGTTCCGCGCACATTTCCCCGAAAAAGTGCCACCTGAAA
TTGTAAACGTTAATATTGTTAAAAATTCGCGTTAAATTTTGTAAATCAGCTCATTTTAAACCAATAGGCCGAAATC
GGCAAAATCCCTTATAAATCAAAGAATAGACCCGAGATAGGGTTGAGTTGTTCCAGTTTGAACAAGAGTCCACTATT
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Fig. 9A (continued)

205T40" F8E4000T

(SEQ ID No.:41)

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LIAADGGYAFKYENGKYDIKDVGVNDNAGAKAGLTFLVDLIIKNKHMNADTDYSIAEAAFNKGETAMTINGPWAWSNIDTSK
VNYGVTVLPTFKGQPSKPFVGVLSAGINAASPKNKELAKEFLENYLLTDEGLEAVNKDKPLGAVALKSYEEELAKDPRIAA
TMENAQKGEIMPNIPQMSAFWYAVRTAVINAASGRQTVDEALKDAQTNSSGGSGSGMDEKTTGWRGGHVVEGLAGELEQ
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Fig. 9B

205TH0" T8E4000F

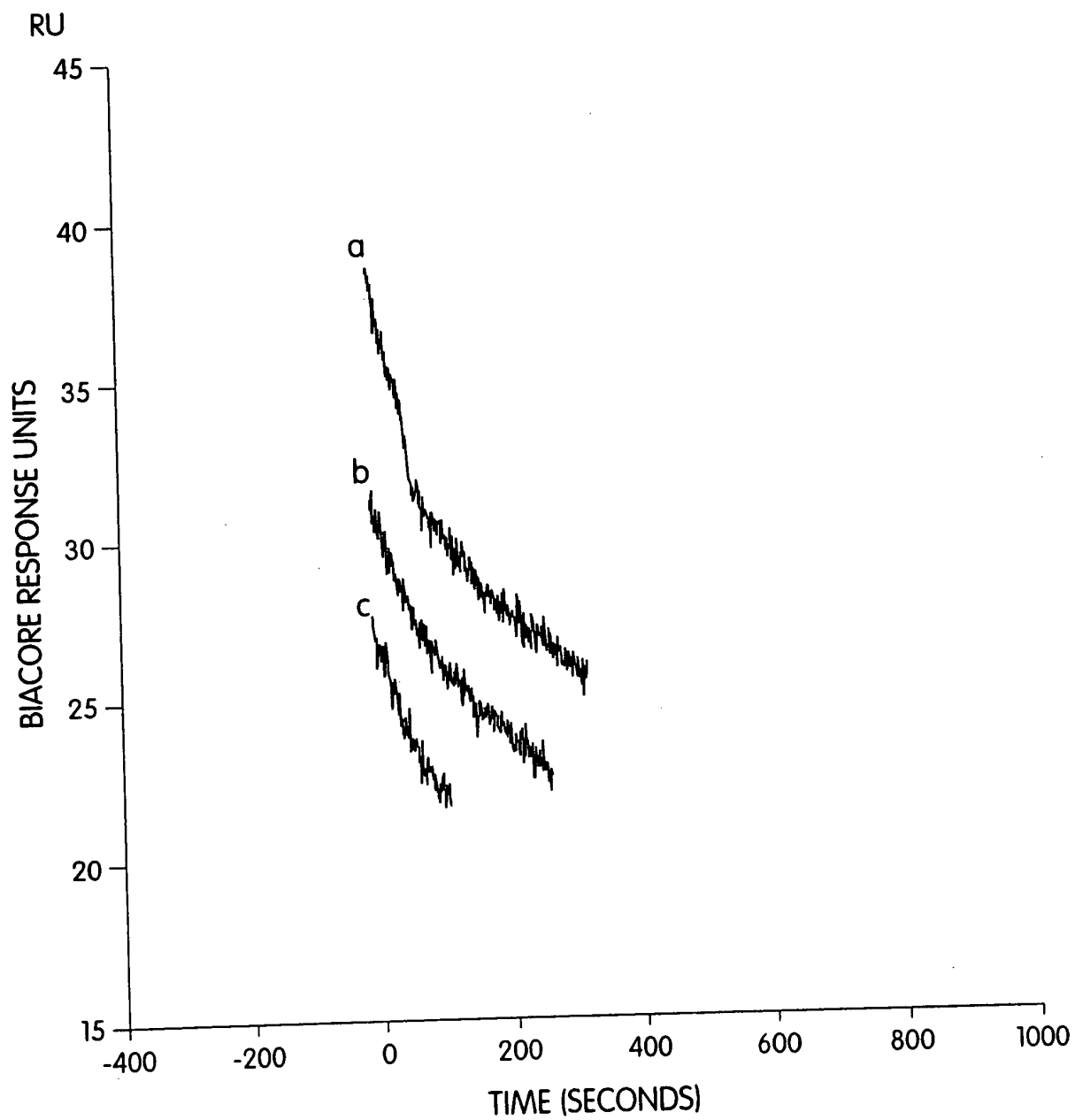


Fig. 10A

205TH0" TEEH000T

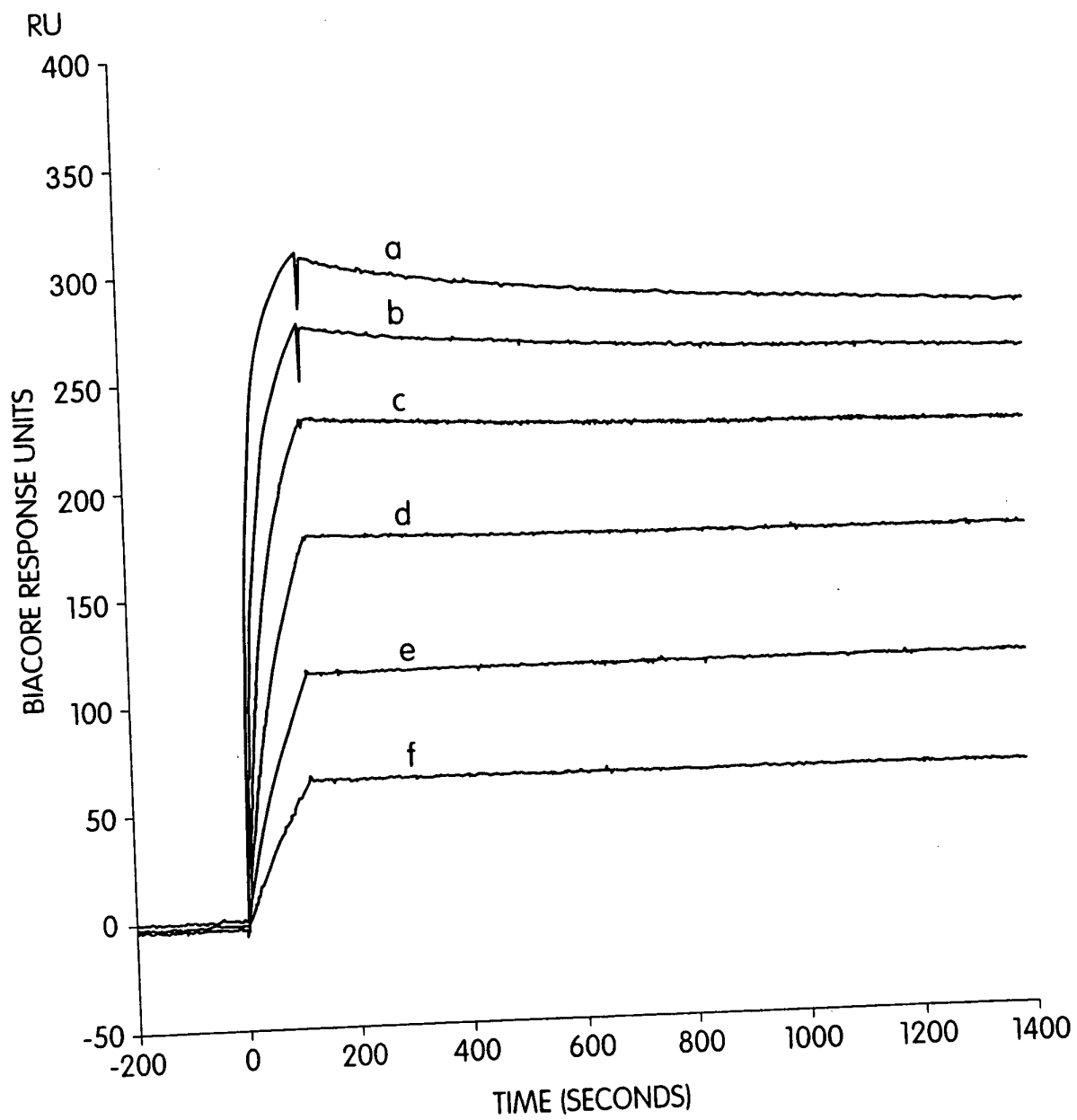


Fig. 10B

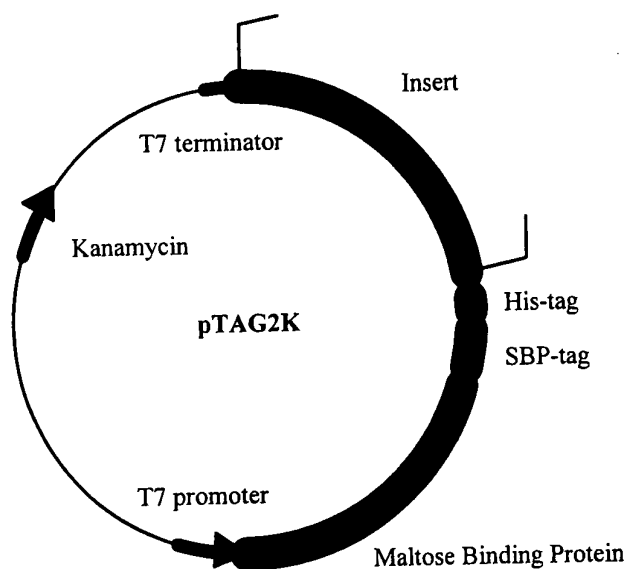


Fig. 11

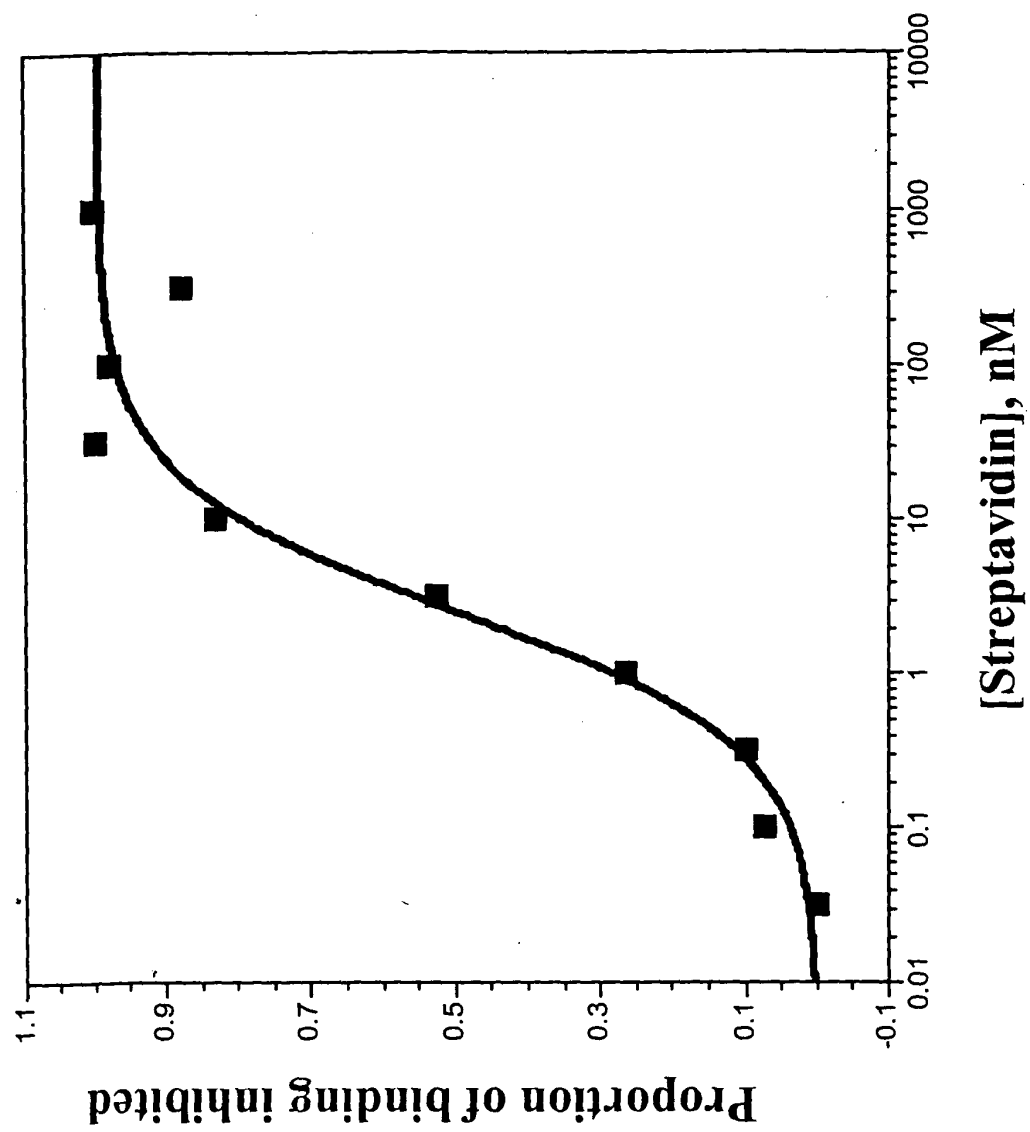


Fig. 12

205F40" T8E4000T

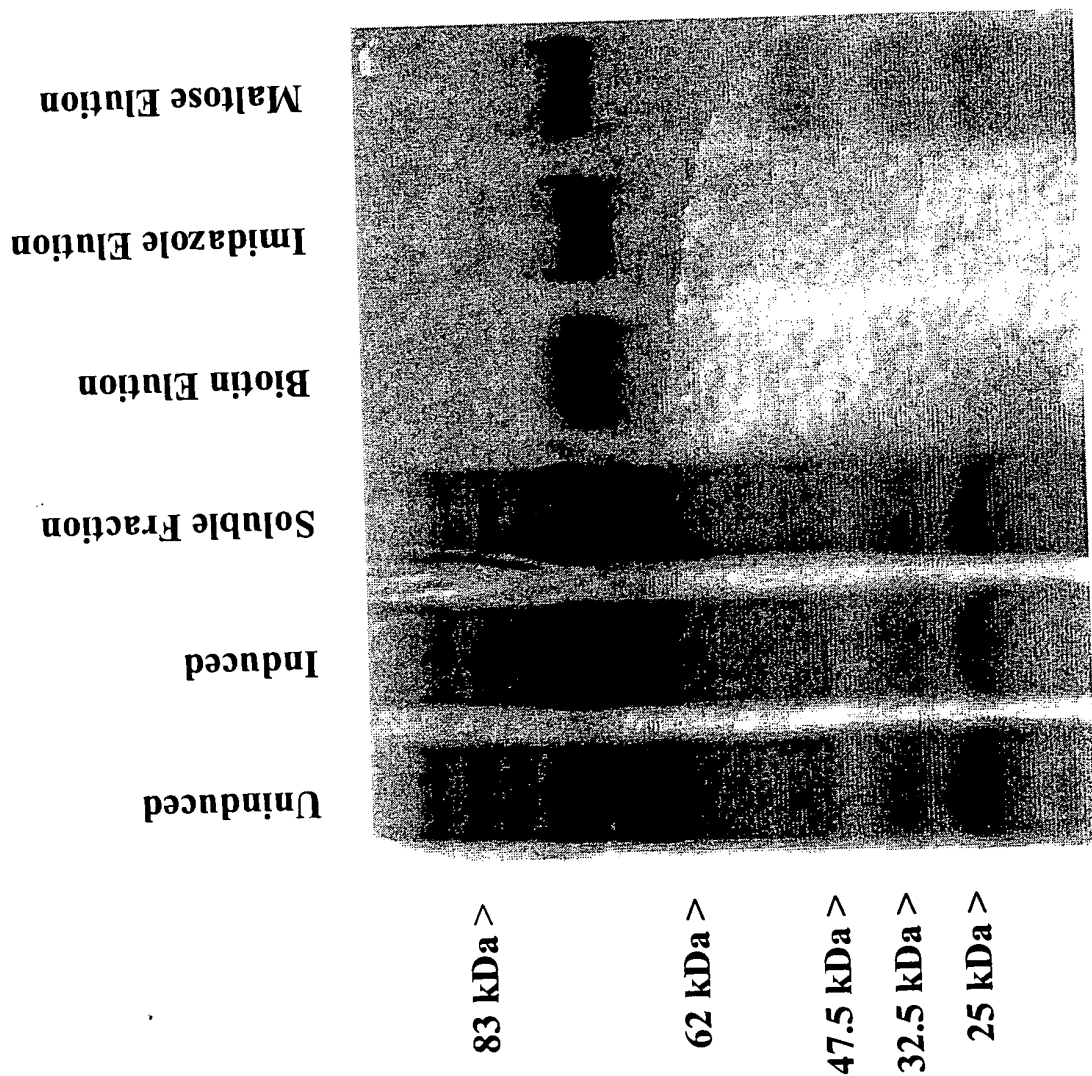


Fig. 13

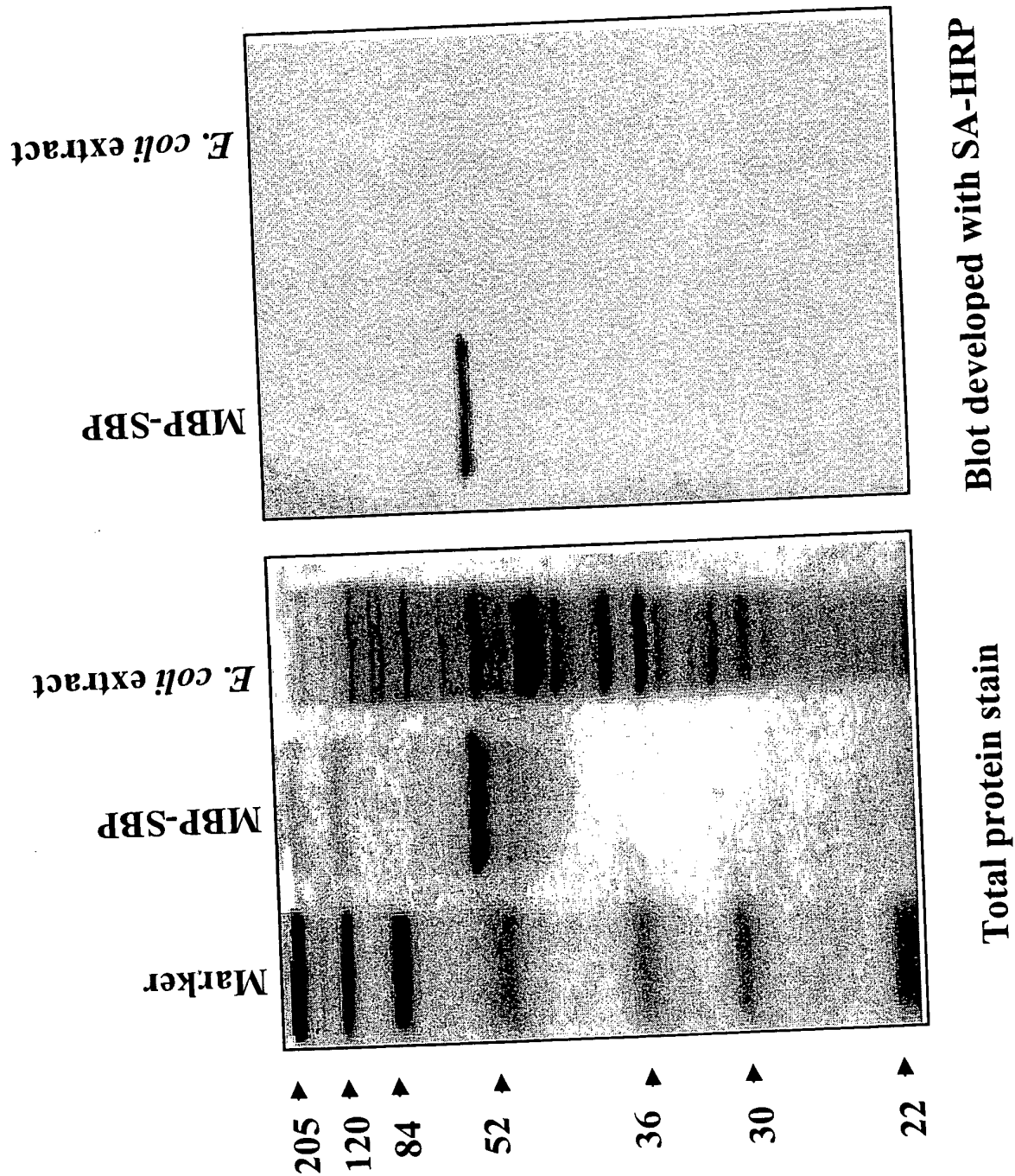


Fig. 14

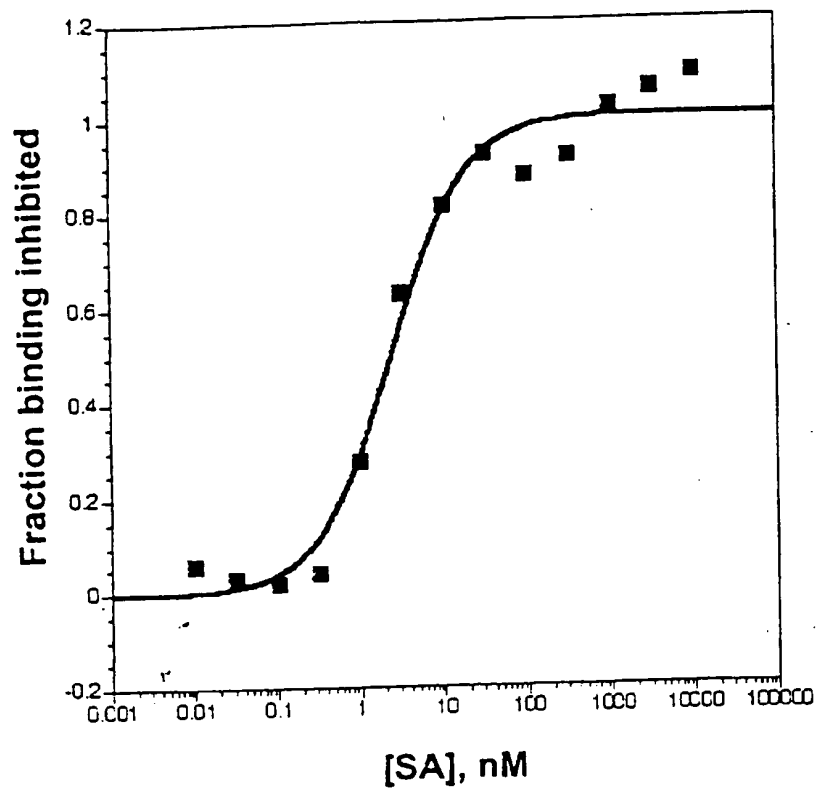


Fig. 15